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PHOTOGRAPHIC INTERPRETATION REPORT



PROPELLANTS TEST FACILITY
NEAR FAUSTOVO, USSR

DECLASS REVIEW by NIMA/DOD

AUGUST 1965

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6 PAGES

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PROPELLANTS TEST FACILITY NEAR FAUSTOVO, USSR

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A propellants test facility [] is located at 55-28N 38-30E, on the northern edge of the village of Faustovo and 10 nautical miles (nm) southeast of Ramenskoye, USSR (Figure 1). Moscow is approximately 35 nm to the northwest, and a double-track electrified rail line leading from that city passes through both Ramenskoye and Faustovo. Although near this major rail line, the propellants test facility appears to be road served only.

This test facility did not exist in [] when the site was covered by a []. It was first observed on poor-quality photography of [] and then on good-quality photography of []. At that time the facility appeared to have been in existence for some time, but the date []

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of construction cannot be determined from available photography. Subsequent coverage, including that of [] has revealed the addition of a considerable number of new buildings and completion of a large production-type building in the southernmost portion of the facility (Figure 4), but the rest of the facility appears to be much the same as when it was first seen [].

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Most of the components of the test facility are contained in 2 areas (Figures 2 and 3), apparently due to a difference in the nature of the testing conducted in each area. These areas are in the northern and southern parts of the installation, and they are described separately in this report, beginning with the northern area.

The northern area of the propellants test facility contains a firing range, a rocket sled track, probable small-scale testing tracks, 2

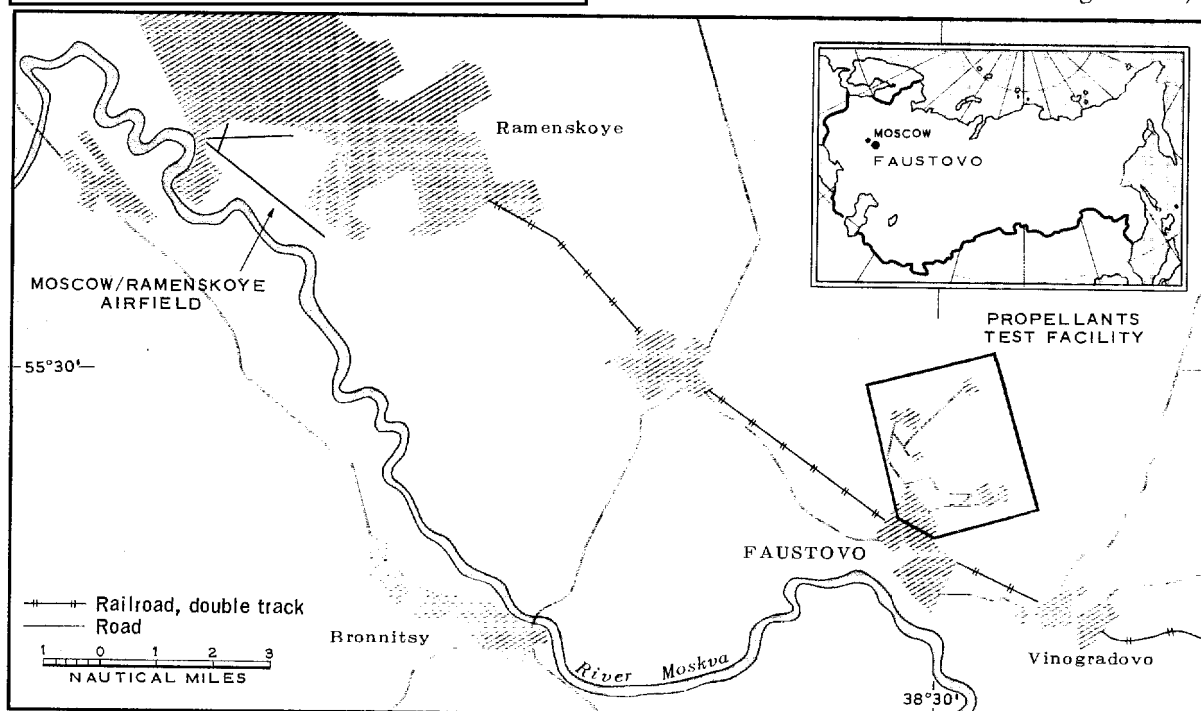


FIGURE 1. LOCATION MAP.

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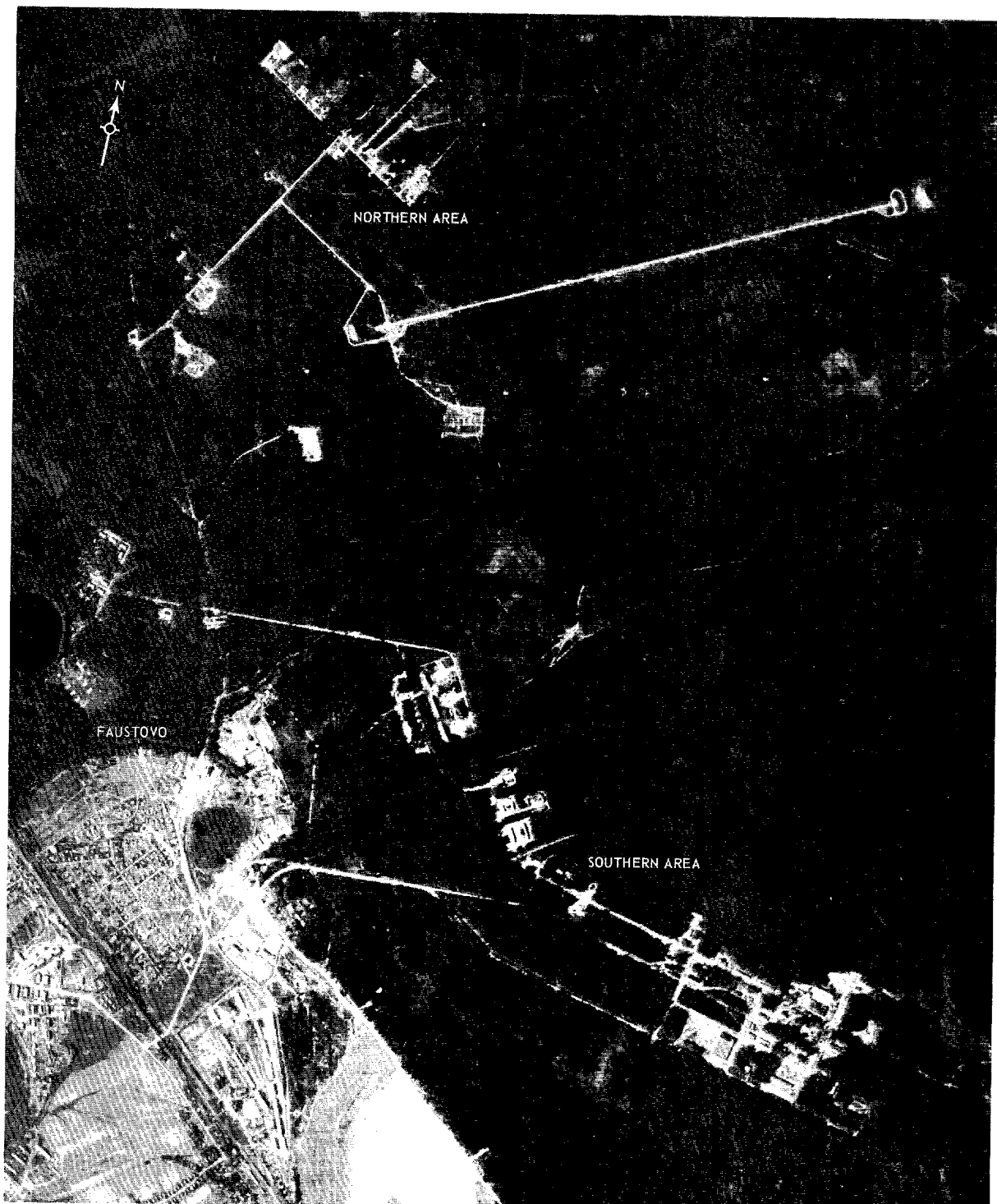


FIGURE 2. PROPELLANTS TEST FACILITY NEAR FAUSTOVO, USSR,

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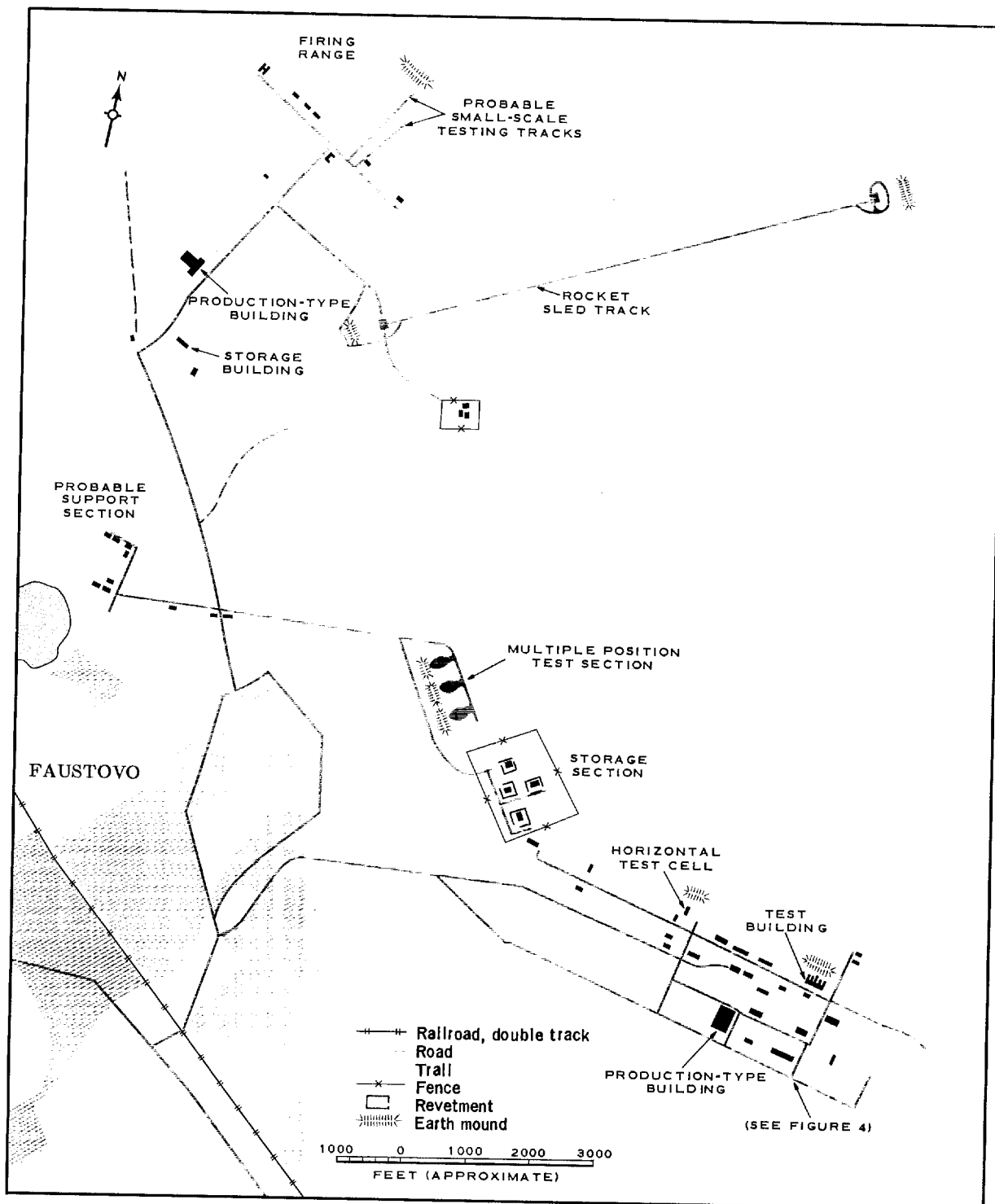


FIGURE 3. PROPELLANTS TEST FACILITY NEAR FAUSTOVO, USSR.

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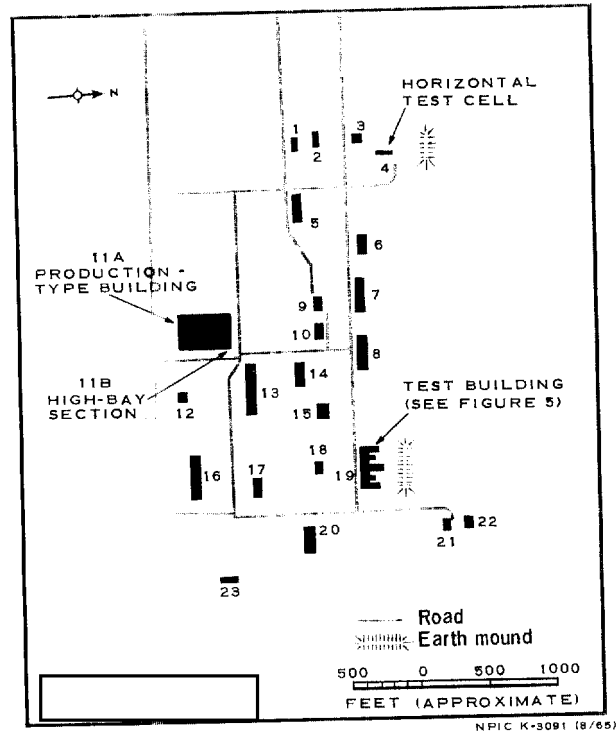
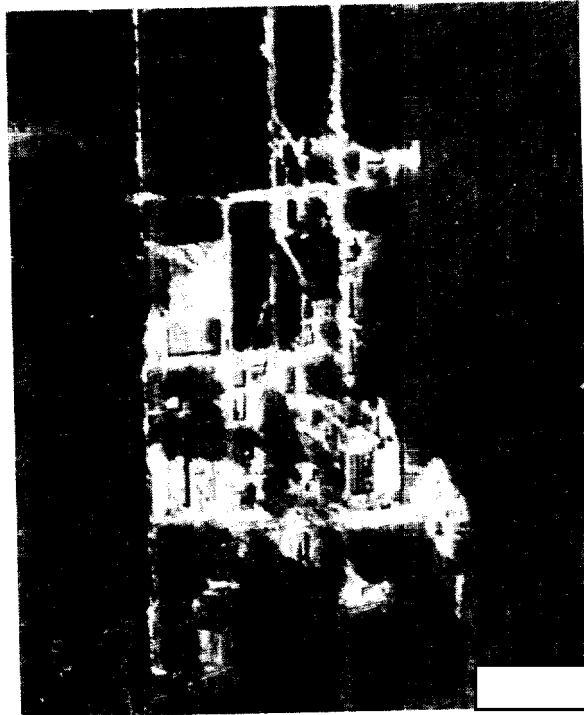


FIGURE 4. HORIZONTAL TEST SECTION. (Item numbers are keyed to Table 1.)

comparatively large support buildings, and several smaller support buildings (Figure 3). The linear lines of the firing range were overgrown when first seen in [redacted] indicating that the range probably had not been in use for some time. The rocket sled track is 8,100 feet long with an earth revetment located about 500 feet beyond each end. Of the 2 larger support buildings, 1 is U-shaped and the other is H-shaped. Three of the smaller support buildings are located in a small, square secured area near the southwestern end of the rocket sled track. Four additional buildings are located about 3,300 feet to the southwest on the road serving the northernmost area (Figure 3). One of these is a large production-type building, another is a storage building, and the other 2 are small support buildings. The road on which they are located leads directly to Faustovo and does not connect directly with the southern area.

Table 1. Dimensions of Structures in the Horizontal Test Section of the Propellants Test Facility (Item numbers are keyed to Figure 4)

Item	Length*	Width*
	(feet)	
1	125 x	50
2	105 x	50
3	65 x	50
4	125 x	40
5	205 x	45
6	170 x	75
7	260 x	50
8	250 x	40
9	145 x	65
10	140 x	65
11A	275 x	240 x 20h
11B	90 x	240 x 35h
12	90 x	80
13	290 x	40
14	190 x	70
15	95 x	55
16	315 x	55
17	135 x	80
18	120 x	75
19	265 x	105
20	180 x	70
21	80 x	40
22	75 x	60
23	85 x	35

*Overall dimensions.

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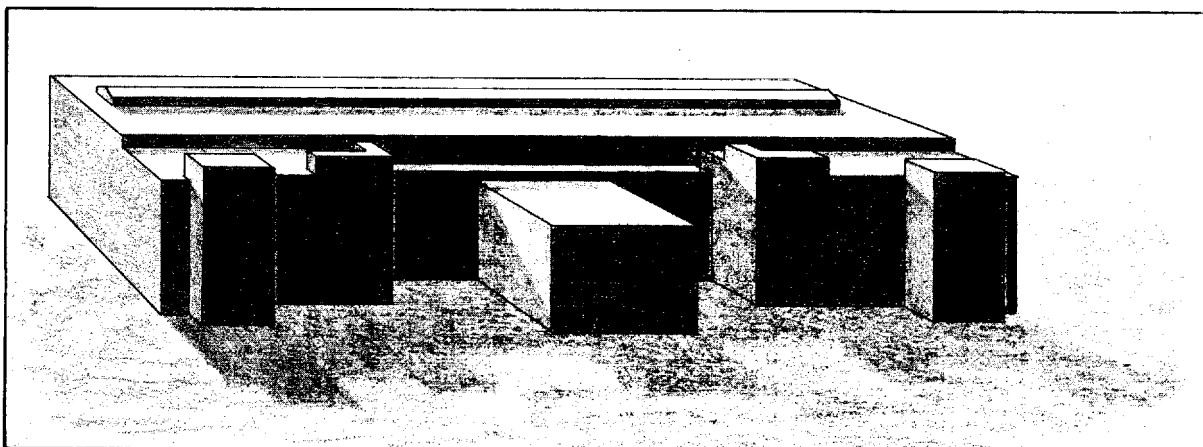


FIGURE 5. TEST BUILDING OF THE HORIZONTAL TEST SECTION. (Item 19 of Figure 4.)

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In the southern area, the horizontal test section (Figure 4) contains a test building (item 19), a horizontal test cell (item 4), a large production-type building with a high-bay section (items 11A and 11B), and 18 support buildings. Dimensions of the structures in this test section are presented in Table 1 which is keyed to Figure 4.

The test building (item 19) has 2 cells with an associated earthen blast deflector and is similar to the test buildings seen at Soviet test facilities near Voronezh, Ufa, Zelenogorsk, and Verkhnyaya Salda. 1-2/ A perspective drawing of this building is presented on Figure 5. The horizontal test cell (item 4) is associated with an earthen blast deflector and is similar in some respects to Soviet test facilities near Biysk, Perm, Sterlitamak, Krasnoyarsk, and Kamensk-Shakhtinskiy. 3/ The distance from the test cell to the blast deflector is approximately 250 feet. The large production-type building (item 11A) was partially complete in [] and the rest of the building, including its high-bay section (item 11B), has been completed since then.

The horizontal test section, as is seen on Figure 2, is situated in flat, densely wooded

terrain, and no security measures are apparent. It is connected by road to Faustovo, and a second road leads to a secured storage section approximately 3,000 feet to the west (Figure 3).

A multiple position test section is also contained in the southern area but near the center of the propellants test facility, immediately northwest of the secured storage section (Figure 3). This section consists of 3 test pads in line, each with a protective earth mound on the west. The pads are irregular in shape, are about 350 feet long and 200 feet wide, and they are approximately 200 feet apart. No structures are on the pads, and there are no protective barriers such as walls or revetments between them. A short road connects this test section with the secured storage section on the southeast, and another road leads west about 1 nm to a probable support section containing 7 buildings, each measuring 100 by 40 feet (Figure 3).

Conclusions. This installation is a research and development facility for testing weapons and small solid propellant rockets. It is a long-established facility serving research institutes in the Moscow area.

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REFERENCES

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MAPS OR CHARTS

USAF. US Air Target Chart, Series 200, Sheet 0167-5HL, 2d ed, Apr 63, scale 1:200,000 (SECRET)

AMS. Series N701, 5828I, 1st ed, Jul 63, scale 1:50,000 (UNCLASSIFIED)

DOCUMENTS

1. NPIC. R-866/64, *Vertical Test Stand at Rocket Test Facility, Voronezh, USSR*, Oct 64 (TOP SECRET [REDACTED])

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3. NPIC. [REDACTED] *Solid Propellant Rocket Motor Test Facilities and Probable Solid Propellant Production Facilities, USSR*, Jun 65 (TOP SECRET [REDACTED])

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REQUIREMENT

NSA. PO432/R55-65

NPIC PROJECT

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